

UPS-SYSTEMS / BUFFER- / REDUNDANCY MODULES

Redundancy modules

MB Redundancy Balance 2 × 20/24

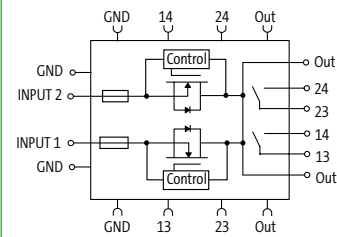
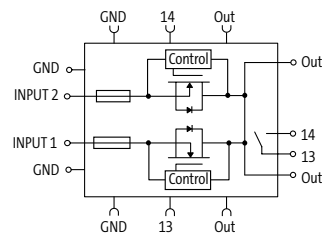
MB Redundancy Balance 2 × 20/24

Auto-Balancing (50/50)



Approvals:  

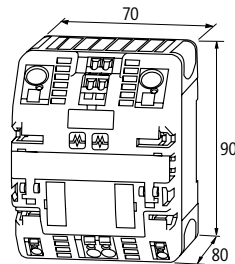
Circuit diagram



Order Data	Art-No.	Art-No.
24 V DC/2 × 20 A/1 × 40 A	85495	85496

Input		
Input voltage	24 V DC (18...30 V DC)	
Input current	2 × 20 A	
Total current	max. 40 A	
Invers-polarity protection	max. 30 V DC	
Auto-Balancing (50/50)	no	yes
Output		
Output voltage	24 V DC (18...30 V DC)	
Output current	26 A (-25...+40 °C)	
LED display	LED (red/green)	
Parallel usage/serial usage	2 units: 40 A (-25...+60 °C); 52 A (-25...+40 °C)/-	
Alarm output	potential free (relay contact) for input voltage	potential free (relay contact) for input voltage/load distribution

General data	
Standards	EN 61000-6-2, EN 61000-6-3
Bridging concept	two sides, with spring clamp terminals or bridge set (max. 40 A)
Relative humidity	5...95%, no condensation
Efficiency	99.5%
Connection	Spring clamp terminals
Mounting method	DIN-rail mountable TH35 (EN 60715)
Temperature range	-25...+60 °C (storage temperature -40...+85 °C)
Dimension drawing	



Notes

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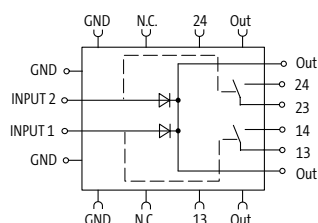
Redundancy modules

MB Diode

Approvals:  **UL**
Listed



Circuit diagram



Order Data

24 V DC/2 × 20 A/1 × 40 A

Art-No.

85396

Input

Input voltage	24 V DC (21...30 V DC)
Input current	2 × 20 A/1 × 40 A
Total current	max. 40 A
Invers-polarity protection	internal protection against reverse polarization up to 60 V DC
Auto-Balancing (50/50)	no

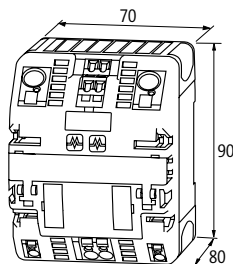
Output

Output voltage	24 V DC (21...30 V DC)
Output current	20 A (-25...+55 °C); 40 A (-25...+40 °C)
Overload	at 20 A +50% for 4 s
LED display	LED (green)
Alarm output	potential free per channel (relay contact)

General data

Standards	EN 61000-6-2, EN 61000-6-3
Bridging concept	two sides, with spring clamp terminals or bridge set (max. 40 A)
Relative humidity	5...95%, no condensation
Power loss	$U \text{ (approx. } 0.5 \text{ V)} \times I$
Efficiency	97%
Connection	Spring clamp terminals
Mounting method	DIN-rail mountable TH35 (EN 60715)
Temperature range	-25...+55 °C (storage temperature -25...+85 °C)

Dimension drawing



Notes